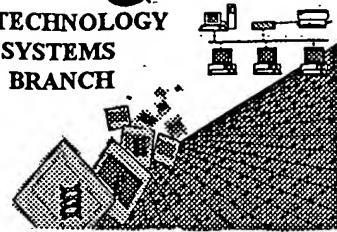


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/050,000
Source: PCT 10
Date Processed by STIC: 03/05/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

PCT 10

ERROR DETECTED SUGGESTED CORRECTION SERIAL NUMBER: 10/050,000

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleic
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 Skipped Sequences
(OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 Skipped Sequences
(NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 Use of n's or Xaa's
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.

10 Invalid <213>
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 Use of <220>
- - - - - Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



Does Not Comply
Corrected Diskette Needed

PCT10

Error on P. 2

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/050,000

DATE: 03/05/2002
TIME: 14:01:24

Input Set : A:\0365-0529P.ST25.txt
Output Set: N:\CRF3\03052002\J050000.raw

3 <110> APPLICANT: NAKARI-SETALA, Tiina
 5 <120> TITLE OF INVENTION: A METHOD FOR DECREASING THE FOAM FORMATION DURING
 CULTIVATION OF A
 6 MICROORGANISM
 8 <130> FILE REFERENCE: 0365-0529P
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/050,000
 11 <141> CURRENT FILING DATE: 2002-02-20
 13 <160> NUMBER OF SEQ ID NOS: 8
 15 <170> SOFTWARE: PatentIn Ver. 2.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 2868
 19 <212> TYPE: DNA
 20 <213> ORGANISM: Trichoderma reesei
 22 <220> FEATURE:
 23 <221> NAME/KEY: gene
 24 <222> LOCATION: (1523)..(1950)
 25 <223> OTHER INFORMATION: hfb1
 27 <400> SEQUENCE: 1
 28 tttgtatggc tggatctcga aaggcccttg tcatcgccaa gcgtggctaa tatcgaaatga 60
 29 gggacaccga gttgcataatc tcctgatcat tcaaacgaca agtgtgaggt aggcaatcct 120
 30 cgtatccat tgctggctg aaagcttcac acgtatcgca taagcgtctc caaccagtgc 180
 31 ttaggtgacc cttaaaggata cttagactaa gactgttata agtcagtcac tctttcactc 240
 32 gggcttgaa tacgatcctc aataactcccg ataacagtaa gaggatgata cagcctgcag 300
 33 ttggccaaatg taagcgtaat taaactcagg tgaacggccc ttgttgaag tctctctcga 360
 34 tcaaagcaaa gctatccaca gacaagggtt aagcaggctc actttccta cgccttggat 420
 35 atgcagcttg gccagcatcg cgcattggcca atgatgcacc cttcacggcc caacggatct 480
 36 cccgttaaac tcccctgtaa ctggcatca ctcatctgtt atcccaacag actgagttgg 540
 37 gggctgcggc tggcgatgt cgagacaaag gatcacttca agagcccaga tccgggttgg 600
 38 ccattgccaa tggatctaga ttccggcacct tggatctcgat cactgagaca tggtgagttg 660
 39 cccggacgca ccacaactcc ccctgtgtca ttgagtcctt atatgcgtct tctcagcgtg 720
 40 caactcttag acggatttagt cctcacgtat aaattaactt ccagcttaag ttcgttagcct 780
 41 tgaatgagtg aagaaatttc aaaaacaaac tggatgagg tcttgagcag ctgggggtgg 840
 42 acgcccctcc tcgactcttg ggacatcgta cggcagagaa tcaacggatt cacacctttg 900
 43 ggtcgagatg agctgatctc gacagatacg tggatccca cagctgcagc tacctttgcc 960
 44 caaccattgc gttccaggat ctgtatctac atcaccgcag caccgcggcc aggacggaga 1020
 45 gaacaatccg gccacagagc agcaccgcct tccaaactctg ctccctggcaa cgtcacacaa 1080
 46 cctgatattt gatatccacc tgggtgattt ccattgcaga gaggtggcag ttggtgatac 1140
 47 cgactggcca tgcaagacgc ggcggggcta gctgaaatgt ccccgagagg acaattggga 1200
 48 gcgtctatga cggcggtggag acgacgggaa aggactcagc cgtcatgtt tggttgcacat 1260
 49 ttgagattgt tgaccggaa aggggggacg aagaggatgg ctgggtgagg tggattttggg 1320
 50 aggatgcattc attcgactca gtgagcgtatg tagagctcca agaatataaa tatcccttct 1380
 51 ctgtcttctc aaaatctcct tcctatcttgc cttcatcag caccagagcc agcctgaaca 1440
 52 cttccagtc aacttcccttca ccagtagatc tgaatcaaca tccattctt gaaatctcac 1500
 53 cacaaccacc atcttcttca aaatgaagtt cttcggccatc ggcgtctctt ttggccgcgc 1560

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/050,000

DATE: 03/05/2002

TIME: 14:01:24

Input Set : A:\0365-0529P.ST25.txt

Output Set: N:\CRF3\03052002\J050000.raw

54 tgccgttgc cagcctctcg aggaccgcag caacggcaac ggcaatgtt gccctccgg 1620
 55 cctcttcagc aaccccccagt gctgtgccac ccaagtcctt gccttcatcg gccttgactg 1680
 56 caaagtccgt aagttgagcc ataacataag aatcctcttg acggaaatat gccttctcac 1740
 57 tcctttaccc ctgaacagcc tcccagaacg tttacgacgg caccgacttc cgcaacgtct 1800
 58 ggcggccaaac cggcgccccag cctctctgct gcgtggcccc cgttgttaat tggatgcccc 1860
 59 gctcaagctc cagtcttgg caaacccatt ctgacaccca gactgcagc cggccaggct 1920
 60 cttctgtgcc agaccgcgt cggtgcttgat gatgcccggc cggggtaaag gtgtgcccc 1980
 61 gagaaagccc acaaagtgtt gatgaggacc atttccggta ctggggaaat tggctccacg 2040
 62 tggggca ggttggca agttgtgtat atattccatt cgtacccat tcttattctc 2100
 63 caatatttca gtacactttt cttcataaaat caaaaagact gctattctct ttgtgacatg 2160
 64 ccggaaaggaa acaattgtct ttggctctgt ttatttgcaat gtaggagatgg gagattcgcc 2220
 65 ttagagaaag tagagaagct gtgttgcacc gtgggtgtgac tcgacgagaa tggactgaga 2280
 66 gtgttagat taggtcgaac gttgaatgtt atacaggatc gtctggcaac ccacggatcc 2340
 67 tatgacttga tgcaatggta aagatgaatg acagtgttaag agggaaagaa aatgtccgccc 2400
 68 tttagctgtat atccacgcata atgatacagc gatatacctc caatatctgt gggaaacgaga 2460
 69 catgacatata ttgtggaaac aacttcaaaac agcgagccaa gacctaata tgcacatcca 2520
 70 aagccaaaca ttggcaagac gagagacagt cacattgtcg tcgaaagatg gcatcgatcc 2580
 71 caaatcatca gctctcatta tcgcctaaac cacagattgt ttgcgttccc ccaactccaa 2640
 72 aacgttacta caaaagacat gggcgaatgc aaagacctga aagcaaaacc ttttgcgac 2700
 73 tcaattccct ctttgcctt cggaaatgtt atccttcacc aagtaaaaga aaaagaagat 2760
 74 ttagataata catgaaaaggc acaacggaaa cggaaacacc agggaaagaa taaatctatc 2820
 75 acgcacccatgg tccccacact aaaaggcaaca ggggggttaa aatgaaat 2868

78 <210> SEQ ID NO: 2

79 <211> LENGTH: 3585

80 <212> TYPE: DNA

81 <213> ORGANISM: Trichoderma reesei

83 <220> FEATURE:

84 <221> NAME/KEY: gene

85 <222> LOCATION: (1191)...(1593)

86 <223> OTHER INFORMATION: hfb2

88 <400> SEQUENCE: 2

89 ctcgagcagc tgaagcttgc atgcctgcattttgttag cgactgcattc cattttgcac 60
 90 acactgcccgt cgacgtctcttccgcacct tggccagctg gacaagcaac acaccaatga 120
 91 cgctttgtat tattagatgtatgcaagtc tcaggactat cgactcaact ctaccaccg 180
 92 aggacgatcg cggcagcata cggcctcgat tcattggcc caagcagacc aactgcccc 240
 93 ggagcaagat tcagcccaag ggagatggac ggcaggccac gccaggcccc caccaccaag 300
 94 ccactccctt tggccaaatc agttgcattc tcaagagaca tcgagctgtg ctttggaaatt 360
 95 actaacaacc agggatggaa aacgaagct gctttggaa agacaacaat gagagagaga 420
 96 gagagaggaa gagagacaat gatgtccaca aacctgttag tgctccgcca atgcgtctga 480
 97 aatgtcacat ccgagtcattt gggcctctgt gagaatgtcc agagtaatac gtgtttgcg 540
 98 aatagtcctt tttttgttggactggataacc tacgataccc tttttgttagt gatgcgggtc 600
 99 tttcgaagta ttatctggat gatagaagac gtcttagtaatcataaaaa ggcctatact 660
 100 ttggggatgat gcccacgaa aggttaactcc tacggcctct tagggccatc atagatccata 720
 101 cagcctcttgc gagccgtcat agatcacatc tttttgttagacc gacattctat gaataatcat 780
 102 ctcatcatgg ccacataactc ctacatactg gtctctgcctt acctgacatg tagcagtggc 840
 103 caagacacca aggccccagc atcaagccctc cttacccatcc cttccatgg tacagcggca 900
 104 gagagatgtc gatgagccctt cttccatcc acagacggct gacaatgtcc gtataccacc 960
 105 agccaaacgtg atgaaaacaa ggacatggg aacagcctgc gagagctgaa agatgaagag 1020
 106 ggccagaaaaaaa aaaagtataa agaagacccatc gattccggcc atccaacaat cttttccatc 1080

must give locations of "n" and
 replace what residue "n"
 represents - see error
 summary sheet item 9

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/050,000

DATE: 03/05/2002
TIME: 14:01:24

Input Set : A:\0365-0529P.ST25.txt
Output Set: N:\CRF3\03052002\J050000.raw

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/050,000

DATE: 03/05/2002
TIME: 14:01:24

Input Set : A:\0365-0529P.ST25.txt
Output Set: N:\CRF3\03052002\J050000.raw

160 actacacgga ggagctcgac gacttcgagc agcccgagct gcacgcagag caacggcaac 60
161 ggc 63
164 <210> SEQ ID NO: 4
165 <211> LENGTH: 30
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Description of Artificial Sequence: 3'primer
172 <400> SEQUENCE: 4
173 tcgtacggat cctcaagcac cgacggcggt 30
176 <210> SEQ ID NO: 5
177 <211> LENGTH: 13
178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: linker
184 <400> SEQUENCE: 5
185 Pro Gly Ala Ser Thr Ser Thr Gly Met Gly Pro Gly Gly
186 1 5 10
189 <210> SEQ ID NO: 6
190 <211> LENGTH: 14
191 <212> TYPE: PRT
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Description of Artificial Sequence: linker
197 <400> SEQUENCE: 6
198 Gly Thr Leu Val Pro Arg Gly Pro Ala Glu Val Asn Leu Val
199 1 5 10
202 <210> SEQ ID NO: 7
203 <211> LENGTH: 48
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Description of Artificial Sequence: 5'primer
210 <400> SEQUENCE: 7
211 gaattcggta ccctcggtccc tcgcgggtccc gccgaagtga acctggtg 48
214 <210> SEQ ID NO: 8
215 <211> LENGTH: 34
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Description of Artificial Sequence: 3'primer
222 <400> SEQUENCE: 8
223 tgaattccat atgctaaccc cgtttcatct ccag 34

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/050,000

DATE: 03/05/2002

TIME: 14:01:25

Input Set : A:\0365-0529P.ST25.txt

Output Set: N:\CRF3\03052002\J050000.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number

L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:124 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2

L:147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2